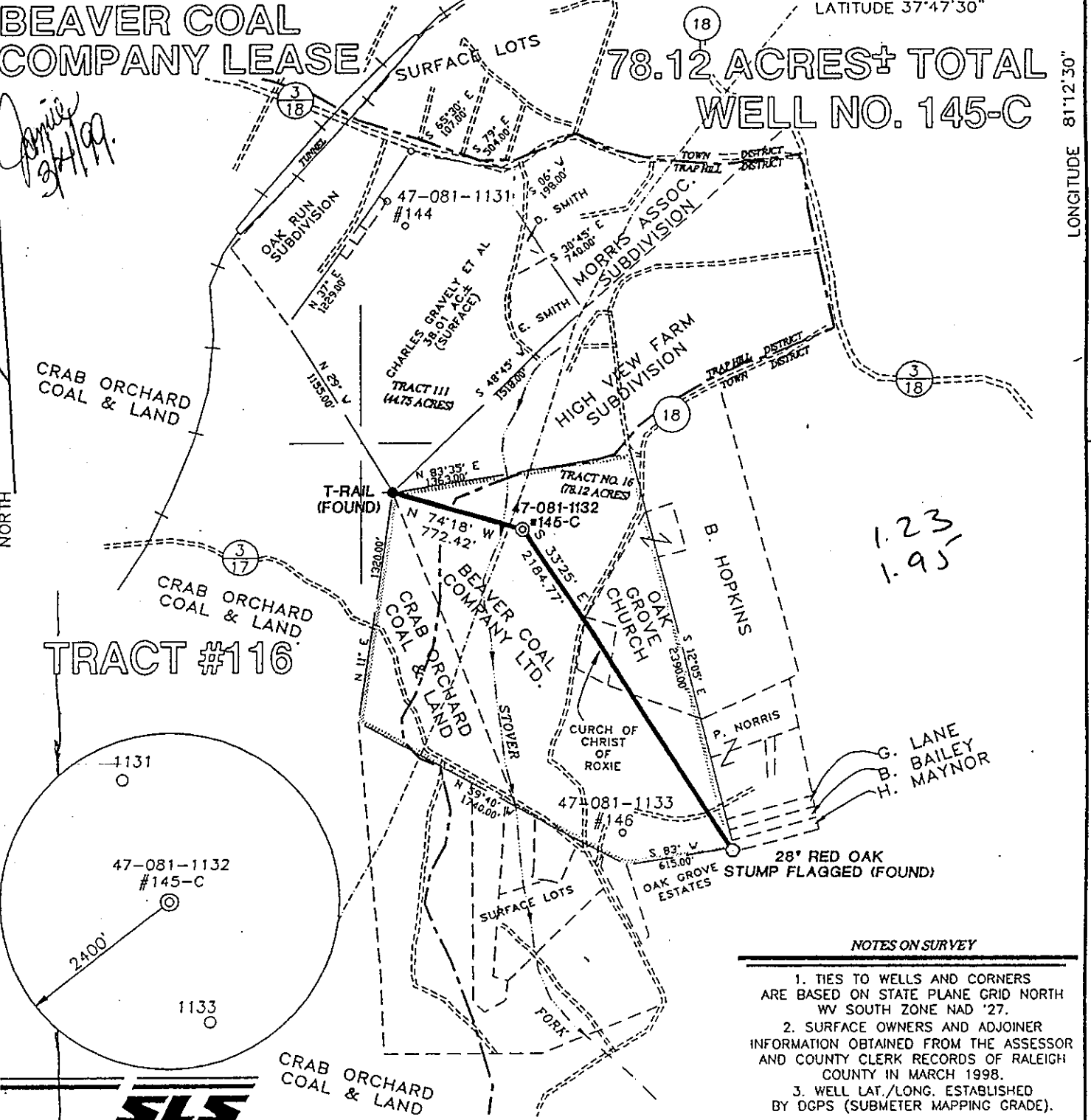


BEAVER COAL COMPANY LEASE

78.12 ACRES± TOTAL WELL NO. 145-C

Janice 9/1/99

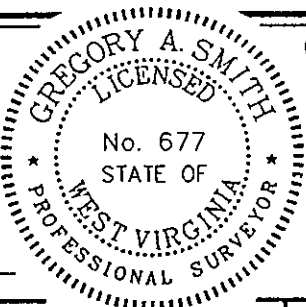


NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. SURFACE OWNERS AND ADJOINER INFORMATION OBTAINED FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RALEIGH COUNTY IN MARCH 1998.
3. WELL LAT./LONG. ESTABLISHED BY OGPS (SUBMETER MAPPING GRADE).

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 10, 19 98
 OPERATORS WELL NO. BEAVER # 145-C
 FORMERLY BEAVER # 145
 API WELL NO. 47-081 1132-C
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3639M145 (61-63)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 2489' SCALE 1" = 800'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE : OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

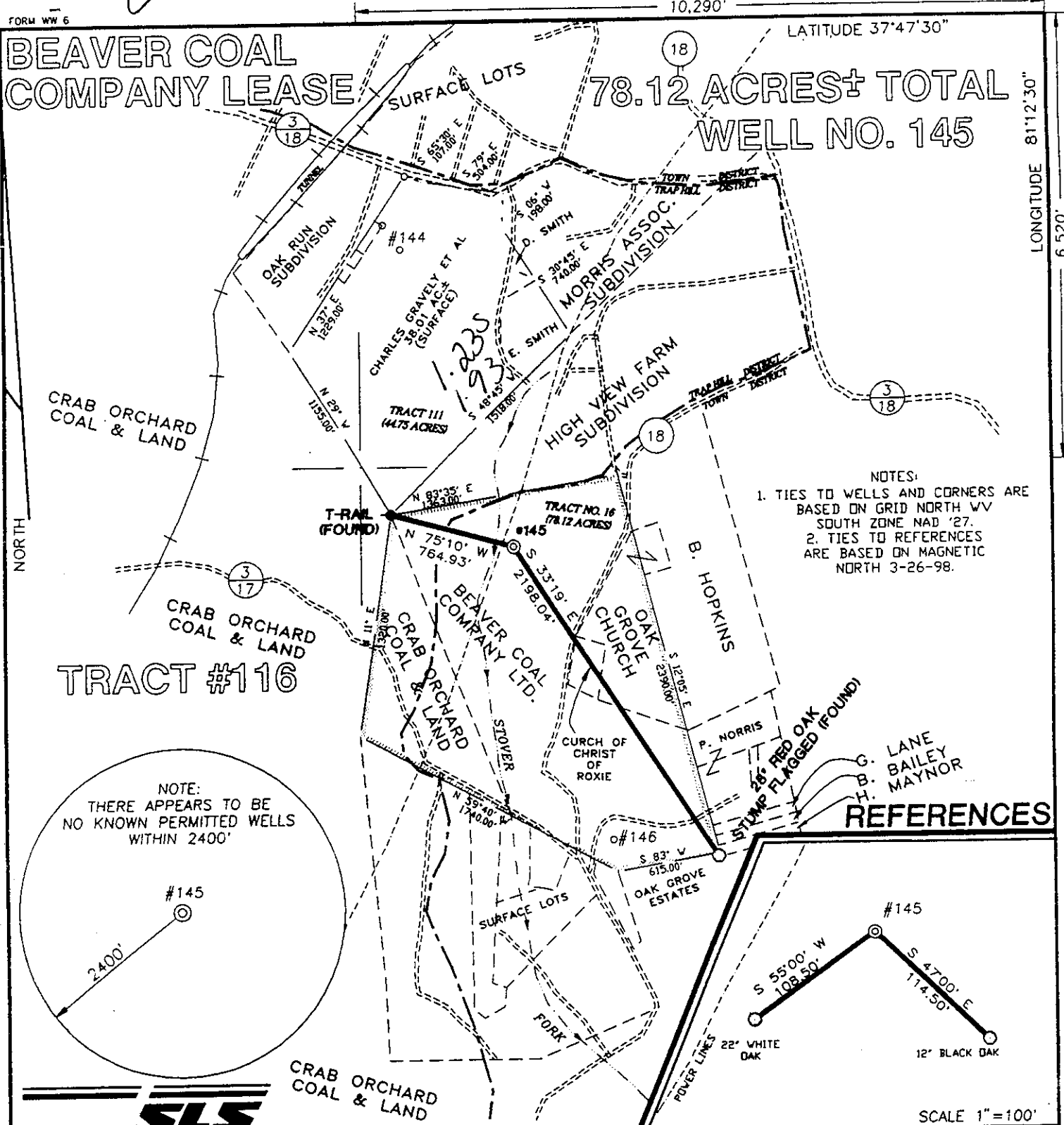
LOCATION :
 ELEVATION 2415' WATERSHED STOVER FORK
 DISTRICT TOWN COUNTY RALEIGH QUADRANGLE BECKLEY 7.5'

SURFACE OWNER BEAVER COAL COMPANY LTD. ACREAGE 52.17 TAXED
 ROYALTY OWNER BEAVER COAL COMPANY LTD. LEASE ACREAGE 78.12 (TRACT #116)

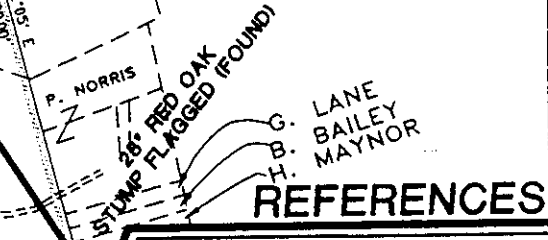
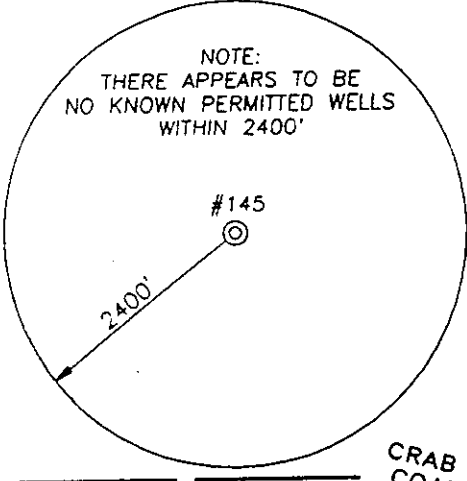
PROPOSED WORK : LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) PLUG BACK TO POCAHANTAS TARGET FORMATION POCAHANTAS #3
#3 PRODUCE METHANE ESTIMATED DEPTH 1300'

WELL OPERATOR ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA 1 4 1999
 ADDRESS 280 SANDERS W. BLD. SUITE 200 KNOXVILLE, TN 37922 ADDRESS 1613 GREENMONT HILLS DR. VIENNA, WV 26105

COUNTY NAME RALEIGH PERMIT 1132-C

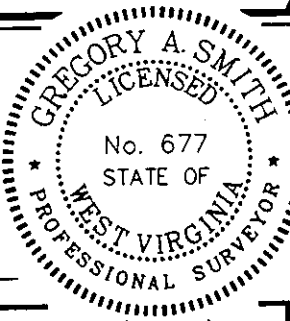


NOTES:
 1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH WV SOUTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 3-26-98.



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MARCH 30, 19 98
 OPERATORS WELL NO. BEAVER # 145
 API WELL NO. 47-81-01132
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3639P145 (61-63)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 2489' SCALE 1" = 800'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2415 WATERSHED STOVER FORK
 DISTRICT TOWN COUNTY RALEIGH QUADRANGLE BECKLEY 7.5'

SURFACE OWNER BEAVER COAL COMPANY LTD. ACREAGE 52.17 TAXED
 ROYALTY OWNER BEAVER COAL COMPANY LTD. LEASE ACREAGE 78.12 (TRACT # 16)
 LEASE NO. _____

PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BIG LIME & WEIR
 ESTIMATED DEPTH 4500'

WELL OPERATOR ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA MAY 11 1998
 ADDRESS 280 SANDERS W. BVD. SUITE 200 KNOXVILLE, TN 37922 ADDRESS 1613 GREENMONT HILLS DR. VIENNA, WV 26105

COUNTY NAME RALEIGH
 PERMIT 7132
 LONGITUDE 81°12'30"
 LATITUDE 37°47'30"
 FORM WW 6

WR-35

08-Mar-99
API # 47- 81-01132 C

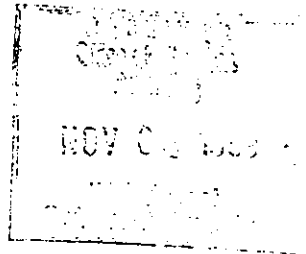
State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

sc

Farm name: BEAVER COAL CO Operator Well No.: B C 145-C

LOCATION: Elevation: 2,415.00 Quadrangle: BECKLEY

District: TOWN County: RALEIGH
Latitude: 6510 Feet South of 37 Deg. 47Min. 30 Sec.
Longitude 10290 Feet West of 81 Deg. 12 Min. 30 Sec.



Company: ENERGY SEARCH, INC.
280 FT. SANDERS, W. BLVD., STE. 200
KNOXVILLE, TN 37922-0000

Agent: FRANK R. ROTUNDA

Inspector: RODNEY DILLON
Permit Issued: 03/09/99
Well work Commenced: 05/27/99
Well work Completed: 05/27/99
Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) PBID 1736'
Fresh water depths (ft) _____
Salt water depths (ft) 1050'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
12 3/4"	18'	18'	
7"	960'	960'	266
4 1/2"	1905'	1905'	417
2 3/8"		1078'	

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 680'

OPEN FLOW DATA

1054-1075

Producing formation POCA #2/POCA #3 Pay zone depth (ft) 1098-1100 1160-1162
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow TSTM MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 10 psig (surface pressure) after 60 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: ENERGY SEARCH, INC!
By: JOHN M. JOHNSTON
Date: 07/30/99

Nov.
DEC 1 1999

RAL 1132 C

Formation Tops

Elevation	2415'
Poca #3	1054-1075'
Poca #2A	1098-1100'
Poca #2B	1160-1162'